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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
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| 09/973,057 | 10/10/2001 | Takashi Ikeda | 35.C15864 | 5037 | |
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| FITZPATRICK CELLA HARPER & SCINTO. | | | EXAMINER | | |
| | ELLER PLAZA C, NY 10112 | | NGUYEN, VAN THU T | | |
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| | | | 2824 | - | |
| | | | | DATE MAILED: 05/21/2003 | |

Please find below and/or attached an Office communication concerning this application or proceeding.

| Office Action Summary Description Descr | | | A · /2 | | | | |
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| Examiner Art Unit 2824 | | Application No. | Applicant(s) | | | | |
| VanThu Nguyen 2824 | · | 09/973,057 | IKEDA, TAKASHI | | | | |
| - The MALLING DATE of this communication appears on the over sheet with the correspondence address — Period for Repty A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALLING DATE OF THIS COMMUNICATION. Extentions of time may be available under be provisions of 37 CPR 1.35(c). In ne event, however, may a reply be timely filed sheet of the provisions of 37 CPR 1.35(c). In ne event, however, may a reply be timely filed sheet of the provisions of 37 CPR 1.35(c). In ne event, however, may a reply be timely filed and sheet of the provisions of 37 CPR 1.75(c). **Responsive to the provision of the provisions of the provisions of the communication is become ABANCHEO (35 U.S. C, § 1.313). **Status** **Responsive to communication(s) filed on **Election 5/6/03 2. **2a This action is FINAL. 2b This action is non-final. 3 Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under £x parte Quayle, 1935 C.D. 11, 453 O.G. 213. **Disposition of Claims** 4 Claim(s) **1.9 and 12-15 is/are pending in the application. 4 Claim(s) **1.9 and 12-15 is/are pending in the application. 5 Claim(s) **1.9 is/are allowed. 6 Claim(s) **1.9 is/are allowed. 6 Claim(s) **1.9 is/are objected to. 6 Claim(s) **1.9 is/are objected to. 7 Claim(s) **1.9 is/are objected to. 8 The proposed drawing correction filed on **1.9 is/are allowed. 10 The drawing(s) filed on **1.0 Clother 2001 is/are: a approved by disapproved by the Examiner. Application Papers 9 The specification is nobjected to by the Examiner. 10 The proposed drawing correction filed on **1.5 is/are allowed. 2 Certified copies of the priority documents have been received in this National Stage application from the entire drawing of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). **See the attached defauled office action for allowance for | Office Action Summary | Examiner | Art Unit | | | | |
| A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.35(d), in no event, however, may a reply be timely filled Extensions of time may be available under the provisions of 37 CFR 1.35(d), in no event, however, may a reply be timely filled Extensions of time may be available under the provisions of 37 CFR 1.35(d), in no event, however, may a reply be timely filled Extensions of time may be available under the provisions of 37 CFR 1.35(d), in no event, however, may a reply be timely filled Extensions of time and the provision of Claims 1) | | | | | | | |
| THE MAILING DATE OF THIS COMMUNICATION. Edencient of time repty be willow under the provision of 3 CPR 1.13(4). In no event, however, may a repty be timely filed after 50X (6) MONTHS from the mailing date of this communication. I add the communication of the | The MAILING DATE of this communication app Period for Reply | pears on the cover sheet with | n the correspondence address | | | | |
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DETAILED ACTION

Election/Restrictions

- 1. Claims 1-9, 12-15 are pending.
- 2. Claim 1 is generic and allowable (except for an existing 112 problem). Accordingly, the restriction requirement as to the encompassed species is hereby withdrawn and claims 3-9 and 12, directed to the species of 2-7 no longer withdrawn from consideration since all of the claims to this species depend from or otherwise include each of the limitations of an allowed generic claim. However, claims 13-15, directed to the species of 8-9 remain withdrawn from consideration since they do not all depend upon or otherwise include all the limitations of an allowed generic claim as required by 37 CFR 1.141.

In view of the above noted withdrawal of the restriction requirement as to the linked species, applicant(s) are advised that if any claim(s) depending from or including all the limitations of the allowable generic linking claim(s) be presented in a continuation or divisional application, such claims may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 44 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

Claim Objections

3. Claim 12 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form.

Claim 12 fails to further limit the magnetoresistive film claimed in claim 1.

Claim Rejections - 35 USC § 112

- 4. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 5. Claim 1-9 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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Claim 1 is indefinite due to the improper use of alternative language "and/or" on line 7, in that the scope of the claim is indetermination; e.g. does the scope of the claim covers Tb only, Dy only, or TB and Dy?

Allowable Subject Matter

- 6. Claims 1-9 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.
- 7. The following is an examiner's statement of reasons for allowance:

The prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Mao et al., Hayashi et al., and Chen et al., taken individually or in combination, do not teach the claimed invention wherein at least said first magnetic layer comprises Gd and said fourth magnetic layer comprises Tb or Dy, and wherein each of said first magnetic layer and fourth magnetic layers has an easy axis of magnetization along a perpendicular direction to a film plane, and a second magnetic layer and the third magnetic layer have a greater spin polarization than the first magnetic layer and the fourth magnetic layer.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VanThu Nguyen whose telephone number is (703) 306-9121. The examiner can normally be reached on Monday-Thursday, 7:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Elms can be reached on (703) 308-2816. The fax phone numbers for the

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organization where this application or proceeding is assigned are (703) 872-9318 for regular communications and (703) 872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

VTN May 20, 2003 - Vanhuhguyen

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